

Abstract

cDNA Amplification for Expression Profiling

5 This invention presents a new cDNA amplification method. RNA is first
converted to cDNA. The synthesis of cDNA can include a promoter tagged
oligonucleotide, and then this cDNA is ligated to form circles (or possibly
concatemers). This is then amplified using a Phi29 DNA polymerase based rolling
circle and strand displacement amplification. The invention allows for RNA promoter
10 sequences to be attached to the cDNA to facilitate additional amplification through
the generation of RNA from the amplified cDNA. The resulting product can then be
used to make materials for gene expression studies or other RNA analysis procedures.